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**POWER OF ATTORNEY
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INDICATION FORM**

Application Number	10/808,721
Filing Date	March 24, 2004
First Named Inventor	Luo, Wenzhe
Title	Device And Method For Low Non- Linearity Analog-To-Digital Converter
Art Unit	2819
Examiner Name	Unassigned
Attorney Docket Number	021653-004300US

I hereby appoint:

Practitioners associated with the Customer Number

20350

OR

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

Michelle Gon

Signature

Date

8/31/04

Telephone

86-21-5080 2000

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of _____ forms are submitted.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Wenzhe Luo et al.Application No./Patent No.: 10/808,721 Filed/Issue Date: March 24, 2004Entitled: DEVICE AND METHOD FOR LOW NON-LINEARITY ANALOG-TO-DIGITAL CONVERTERSemiconductor Manufacturing International
(Shanghai) Corporation

(Name of Assignee)

a Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.

The extent (by, percentage) of its ownership interest is %

in the patent application/patent identified above by virtue of either:

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

OR

- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at
Reel , Frame , or for which a copy thereof is attached.

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The document was recorded in the United States Patent and Trademark Office at
Reel , Frame , or for which a copy thereof is attached.

3. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at
Reel , Frame , or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

8/31/04

Date

86-21-1080 2000

Telephone number

Michelle Gan

Typed or printed name

Signature

Chief Legal Officer

COPY

Attorney Docket No.: 021653-004300US
Client Reference No.: I-03-012

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Wenzhe Luo of 18 Qing-Tong Rd., Pudong New Area, Shanghai, 201203 People's Republic of China, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **DEVICE AND METHOD FOR LOW NON-LINEARITY ANALOG-TO-DIGITAL CONVERTER**

Filing Date: **March 24, 2004**

Application No.: **10/808,721; and**

WHEREAS, Semiconductor Manufacturing International (Shanghai) Corporation, a corporation of People's Republic of China, located at 18 Zhang Jiang Rd., Pudong New Area, Shanghai, 201203 People's Republic of China, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 8/30/2004


Wenzhe Luo

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

		Application Number	10/808,721
		Filing Date	March 24, 2004
		First Named Inventor	Luo, Wenzhe
		Art Unit	2819
		Examiner Name	Unassigned
Total Number of Pages in This Submission		Attorney Docket Number	021653-004300US

ENCLOSURES (Check all that apply)			
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Technology Center (TC)	
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences	
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)	
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information	
<input type="checkbox"/> Affidavits/declaration(s)	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter	
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):	
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> Return Postcard	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	Statement Under 37 CFR 3.73(b) w/attached copy of assignment	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.		
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application			
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53			

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Townsend and Townsend and Crew LLP Daniel Mao Reg. No. 51,995	
Signature		
Date	September 28, 2004	

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Eleanor J. Taylor		
Signature		Date	September 28, 2004